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**Amendments to the Claims**

The following listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (original) A system for processing a digital image, comprising:
  - a data storage area comprising a plurality of digital images;
  - an image handler configured to obtain at least a portion of a digital image from the data storage area;
  - an image processing algorithm comprising instructions for processing a digital image;
  - and
  - an execution manager configured to execute the image processing algorithm instructions on the digital image obtained by the image handler.
2. (original) The system of claim 1, wherein the data storage area is accessed via a data communication network.
3. (original) The system of claim 1, wherein a plurality of image processing algorithms are stored in the data storage area.
4. (original) The system of claim 1, wherein the image processing algorithm comprises a plurality of subroutines.
5. (original) The system of claim 4, wherein the execution manager receives a portion of the image processing algorithm via a data communication network.
6. (original) The system of claim 5, wherein the execution manager retrieves a portion of the image processing algorithm from the data storage area.

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7. (original) The system of claim 1, wherein the execution manager is further configured to receive a plurality of parameters, wherein the parameters define a sub-region of the digital image retrieved from the data storage area.
8. (original) The system of claim 1, wherein the execution manager is further configured to receive a plurality of parameters, wherein the parameters control the execution of the image processing algorithm instructions.
9. (original) A method for processing a digital image, comprising:
  - receiving an image selection that uniquely identifies a digital image stored in a data storage area comprising a plurality of digital images;
  - receiving an algorithm selection that uniquely identifies a set of image processing instructions;
  - receiving a set of image processing parameters; and
  - executing the set of image processing instructions according to the set of parameters.
10. (original) The method of claim 9, wherein the set of image processing parameters controls the execution of the image processing instructions.
11. (original) The method of claim 9, wherein the set of image processing parameters defines a sub-region of the selected digital image to be processed.
12. (canceled)
13. (original) A method for remote execution of an image processing algorithm, comprising:
  - receiving an image processing request via a data communication network;
  - parsing the image processing request to obtain an algorithm identifier, an image identifier, and a set of parameters;
  - obtaining the identified image from a data storage area;
  - obtaining a set of image processing instructions corresponding to the algorithm identifier; and
  - executing the set of image processing instructions on the identified image.

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14. (original) The method of claim 13, wherein obtaining the identified image comprises obtaining a sub-region of the identified image, the sub-region determined by one or more parameters in the set of parameters.
15. (original) The method of claim 13, wherein obtaining the set of image processing instructions comprises dynamically linking the set of image processing instructions.

16 – 20. (canceled)

21. (original) A method for processing a digital image, comprising:

receiving an image selection that uniquely identifies a digital image stored in a data storage area comprising a plurality of digital images;

receiving an algorithm selection that uniquely identifies a set of image processing instructions;

receiving a set of image processing parameters;

retrieving a first sub-region of the digital image from the data storage area;

executing the set of image processing instructions on the first sub-region;

storing the results of the image processing on the first sub-region;

retrieving a second sub-region of the digital image from the data storage area;

executing the set of image processing instructions on the second sub-region; and

storing the results of the image processing on the second sub-region.

22. (original) The method of claim 21, wherein the digital image comprises a plurality of sub-regions and each sub-region is processed such that the set of image processing instructions is executed on the entire digital image.